

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S907	2	((("5931647") or ("20070276421"))).PN.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:56
S906	47	(S904 or S905) not (S902 or S903)	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56
S905	41	("4142524"   "4236880"   "4273121"   "4303376"   "4336800"   "4479797"   "4519792"   "4559038"   "4798589").PN. OR ("4872813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56
S904	41	("3985133"   "4236880"   "4273121"   "4303376"   "4396385"   "4479797"   "4559038").PN. OR ("4818190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56
S903	133	("2678663"   "2725078"   "2954738"   "3079946"   "3294030"   "3375759"   "3492968"   "3551076"   "3722506"   "3769879"   "3976402"   "3985133"   "3993061"   "3995723"   "4021157"   "4096855"   "4131393"   "4137913"   "4396385"   "4403924"   "4456009"   "4515591"   "4519792"   "4658585"   "4682533"   "4684367").PN. OR ("2178953"   "4396385"   "4729238"   "4798589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56
S902	23	("2178953"   "3224345"   "3250225"   "3446154"   "3993061"   "4086036"   "4240335"   "4277226"   "4396385"   "4729238"   "4798589").PN. OR ("4940399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56

S901	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:56
S900	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:56
S899	1545	S898 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S898	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S897	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S896	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S895	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235").PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S894	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S893	50	S891 or S892	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S892	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625").PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S891	23	("2557766"   "2647000"   "2868602"   "2972395").PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S890	56	S889 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S889	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S888	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56

S887	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S886	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S885	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S884	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S883	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:56
S882	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S881	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:56
S880	56	S878 not S879	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S879	57	S878 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S878	113	S877 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:56
S877	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S876	22	S875 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S875	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S874	137	S873 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S873	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S872	100	S871 not S868	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S871	127	S869 or S870	USPAT	OR	OFF	2011/07/25 16:55
S870	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S869	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55

S868	283	S865 or S864 or S866 or S867	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S867	93	("1902418"   "2147652"   "2804075"   "3429313").PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S866	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S865	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S864	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S863	182	S857 or S858 or S859	USPAT	OR	OFF	2011/07/25 16:55
S862	127	S860 or S861	USPAT	OR	OFF	2011/07/25 16:55
S861	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S860	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S859	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S858	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.				
S857	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S856	283	S851 or S849 or S854 or S855	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S855	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S854	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S853	2	((("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:55

S852	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S851	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S850	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S849	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S848	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S847	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S846	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:55
S845	1545	S844 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S844	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S843	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55



S842	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S841	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235").PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S840	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S839	50	S837 or S838	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S838	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625").PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S837	23	("2557766"   "2647000"   "2868602"   "2972395").PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S836	56	S835 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S835	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S834	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S833	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S832	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S831	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S830	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S829	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:55
S828	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S827	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S826	56	S824 not S825	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S825	57	S824 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S824	113	S823 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S823	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S822	22	S821 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S821	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S820	137	S819 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S819	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S818	100	S817 not S814	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S817	127	S815 or S816	USPAT	OR	OFF	2011/07/25 16:55
S816	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S815	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S814	283	S811 or S810 or S812 or S813	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S813	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S812	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S811	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S810	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S809	182	S803 or S804 or S805	USPAT	OR	OFF	2011/07/25 16:55
S808	127	S806 or S807	USPAT	OR	OFF	2011/07/25 16:55
S807	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S806	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55

S805	81	( "1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S804	100	( "1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S803	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S802	283	S797 or S795 or S800 or S801	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S801	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S800	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S799	2	((("3930505") or ("4690672"))).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:55
S798	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.				
S797	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S796	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S795	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S794	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S793	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S792	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:55
S791	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S790	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S789	1545	S788 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S788	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S787	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S786	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S785	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S784	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S783	50	S781 or S782	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S782	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S781	23	("2557766"   "2647000"   "2868602"   "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S780	56	S779 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S779	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S778	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S777	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S776	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S775	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S774	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S773	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:55
S772	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S771	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S770	56	S768 not S769	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S769	57	S768 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S768	113	S767 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S767	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55



S766	22	S765 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S765	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S764	137	S763 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S763	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S762	100	S761 not S758	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S761	127	S759 or S760	USPAT	OR	OFF	2011/07/25 16:55
S760	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S759	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S758	283	S755 or S754 or S756 or S757	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S757	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S756	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S755	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S754	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S753	182	S747 or S748 or S749	USPAT	OR	OFF	2011/07/25 16:55
S752	127	S750 or S751	USPAT	OR	OFF	2011/07/25 16:55
S751	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S750	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S749	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S748	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556") PN. OR ("5735815").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S747	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"5368452"   "5370609"). PN. OR ("5871462").URPN.				
S746	283	S741 or S739 or S744 or S745	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S745	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S744	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S743	2	(("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:55
S742	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S741	119	(("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S740	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S739	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S738	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S737	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S736	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:55
S735	1545	S734 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S734	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S733	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S732	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S731	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S730	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S729	50	S727 or S728	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S728	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S727	23	("2557766"   "2647000"   "2868602"   "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S726	56	S725 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S725	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S724	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S723	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S722	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S721	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55

S720	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S719	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:55
S718	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S717	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S716	56	S714 not S715	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S715	57	S714 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S714	113	S713 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S713	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S712	22	S711 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S711	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S710	137	S709 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S709	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S708	100	S707 not S704	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S707	127	S705 or S706	USPAT	OR	OFF	2011/07/25 16:55
S706	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S705	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S704	283	S701 or S700 or S702 or S703	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S703	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

S702	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S701	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55



S700	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S699	182	S693 or S694 or S695	USPAT	OR	OFF	2011/07/25 16:55
S698	127	S696 or S697	USPAT	OR	OFF	2011/07/25 16:55
S697	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S696	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:55
S695	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S694	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.				
S693	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S692	283	S687 or S685 or S690 or S691	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S691	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S690	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S689	2	(("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:55
S688	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.				
S687	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55

		"5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S686	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S685	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:55
S684	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S683	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S682	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:55
S681	2	((("5931647") or ("20070276421"))).PN.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S680	47	(S678 or S679) not (S676 or S677)	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S679	41	("4142524"   "4236880"   "4273121"   "4303376"   "4336800"   "4479797"   "4519792"   "4559038"   "4798589").PN. OR ("4872813").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S678	41	("3985133"   "4236880"   "4273121"   "4303376"   "4396385"   "4479797"   "4559038").PN. OR ("4818190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55

S677	133	("2678663"   "2725078"   "2954738"   "3079946"   "3294030"   "3375759"   "3492968"   "3551076"   "3722506"   "3769879"   "3976402"   "3985133"   "3993061"   "3995723"   "4021157"   "4096855"   "4131393"   "4137913"   "4396385"   "4403924"   "4456009"   "4515591"   "4519792"   "4658585"   "4682533"   "4684367"). PN. OR ("2178953"   "4396385"   "4729238"   "4798589").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S676	23	("2178953"   "3224345"   "3250225"   "3446154"   "3993061"   "4086036"   "4240335"   "4277226"   "4396385"   "4729238"   "4798589").PN. OR ("4940399").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S675	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:55
S674	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:55
S673	1545	S672 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:55
S672	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S671	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S670	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S669	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S668	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S667	50	S665 or S666	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S666	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S665	23	("2557766"   "2647000"   "2868602"   "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S664	56	S663 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S663	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S662	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S661	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S660	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S659	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S658	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S657	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:54
S656	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S655	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S654	56	S652 not S653	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S653	57	S652 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S652	113	S651 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S651	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54

S650	22	S649 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S649	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S648	137	S647 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S647	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S646	100	S645 not S642	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S645	127	S643 or S644	USPAT	OR	OFF	2011/07/25 16:54
S644	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S643	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S642	283	S639 or S638 or S640 or S641	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S641	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S640	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S639	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S638	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S637	182	S631 or S632 or S633	USPAT	OR	OFF	2011/07/25 16:54
S636	127	S634 or S635	USPAT	OR	OFF	2011/07/25 16:54
S635	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S634	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S633	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54



S632	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S631	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"5368452"   "5370609"). PN. OR ("5871462").URPN.				
S630	283	S625 or S623 or S628 or S629	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S629	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S628	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S627	2	(("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:54
S626	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S625	119	( "2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S624	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S623	3	(( "6216573") or "5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S622	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S621	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S620	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:54
S619	1545	S618 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S618	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S617	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S616	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S615	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S614	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S613	50	S611 or S612	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S612	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S611	23	("2557766"   "2647000"   "2868602"   "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S610	56	S609 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S609	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S608	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S607	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S606	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S605	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54

S604	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S603	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:54
S602	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S601	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S600	56	S598 not S599	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S599	57	S598 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S598	113	S597 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S597	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S596	22	S595 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S595	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S594	137	S593 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S593	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S592	100	S591 not S588	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S591	127	S589 or S590	USPAT	OR	OFF	2011/07/25 16:54
S590	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S589	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S588	283	S585 or S584 or S586 or S587	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S587	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S586	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S585	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S584	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S583	182	S577 or S578 or S579	USPAT	OR	OFF	2011/07/25 16:54
S582	127	S580 or S581	USPAT	OR	OFF	2011/07/25 16:54
S581	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S580	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S579	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S578	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.				
S577	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S576	283	S571 or S569 or S574 or S575	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S575	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S574	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S573	2	(("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:54
S572	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54



		"3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.				
S571	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S570	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S569	3	((("6216573") or ("5370609") or ("5931647"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S568	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S567	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S566	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:54
S565	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/07/25 16:54
S564	1	(10/561725).APP.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S563	1545	S562 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S562	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S561	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54

S560	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S559	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235").PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S558	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S557	50	S555 or S556	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S556	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625").PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S555	23	("2557766"   "2647000"   "2868602"   "2972395").PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S554	56	S553 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S553	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S552	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S551	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S550	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S549	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S548	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S547	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:54
S546	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S545	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S544	56	S542 not S543	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S543	57	S542 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S542	113	S541 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S541	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S540	22	S539 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S539	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S538	137	S537 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S537	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S536	100	S535 not S532	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S535	127	S533 or S534	USPAT	OR	OFF	2011/07/25 16:54
S534	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S533	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S532	283	S529 or S528 or S530 or S531	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S531	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S530	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S529	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S528	3	((("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S527	182	S521 or S522 or S523	USPAT	OR	OFF	2011/07/25 16:54
S526	127	S524 or S525	USPAT	OR	OFF	2011/07/25 16:54
S525	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S524	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54

S523	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S522	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"   "4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S521	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S520	283	S515 or S513 or S518 or S519	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S519	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S518	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S517	2	((("3930505") or ("4690672"))).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:54
S516	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.				
S515	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"   "5368452"   "5370609"   "5378126"   "5415528"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54



		"5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S514	1	"20010043874"	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S513	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S512	11	Pein-Andreas.in.	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S511	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S510	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:54
S509	1545	S508 and pump	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S508	4259	(plastic with piston) and (plastic with (housing or cylinder or casing))	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S507	227	417/470.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S506	45	("4354490"   "4559033"   "4564361"   "4919658"   "4933178").PN. OR ("5049139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S505	47	("0802383"   "0928055"   "2258066"   "3707240"   "4551146"   "5049139"   "5176415"   "5330235"). PN. OR ("5536258").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S504	1	"5536258".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S503	50	S501 or S502	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S502	27	("2104500"   "2284458"   "2351525"   "3386590"   "3532369"   "3545625"). PN. OR ("3666298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S501	23	("2557766"   "2647000"   "2868602"   "2972395"). PN. OR ("4013372").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

S500	56	S499 same rib	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S499	2141	(tub\$3 with connect\$4) same ((press adj fit) or press\$1fit)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S498	6395	(tub\$3 with connect\$4) same ribs	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S497	400580	tub\$3 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S496	489604	tub\$5 with connect\$4	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S495	23	pressure adj tubule	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S494	1	"3830531".pn.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S493	1	"4335756".pn.	USPAT	OR	OFF	2011/07/25 16:54
S492	27	("2107987"   "2321994"   "2666564"   "3991797"   "4234107"   "4254806"   "4273263"   "4318431"   "4373560").PN. OR ("4667709").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S491	29	("2032163"   "2245287"   "2503907"   "3443521"   "3496874").PN. OR ("4234107").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S490	56	S488 not S489	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S489	57	S488 and (pump or piston)	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S488	113	S487 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S487	649	606/166.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S486	22	S485 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S485	529	417/535,536,538.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S484	137	S483 and eccentric	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S483	809	417/212,218,221.ccls.	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S482	100	S481 not S478	US-PGPUB; USPAT	OR	ON	2011/07/25 16:54
S481	127	S479 or S480	USPAT	OR	OFF	2011/07/25 16:54

S480	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S479	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S478	283	S475 or S474 or S476 or S477	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S477	93	("1902418"   "2147652"   "2804075"   "3429313").PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S476	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S475	119	("2648288"   "3496874"   "3771907"   "3818913"   "3874826"   "3930505"   "4111490"   "4142524"   "4199307"   "4216906"   "4336800"   "4410322"   "4435902"   "4465438"   "4479760"   "4479761"   "4479762"   "4557725"   "4560373"   "4573883"   "4614481"   "4635621"   "4637551"   "4657490"   "4662829"   "4690672"   "4741678"   "4749337"   "4754929"   "4761039"   "4776769"   "4795217"   "4798339"   "4798589"   "4811902"   "4818190"   "4827679"   "4842584"   "4857048"   "4872813"   "4896085"   "4898574"   "4913698"   "4927411"   "4937985"   "4940399"   "4950238"   "4958963"   "5006050"   "5011468"   "5018670"   "5037431"   "5052624"   "5056992"   "5074862"   "5092744"   "5098262"   "5125582"   "5133687"   "5135482"   "5154589"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5237309"   "5252044"   "5259842"   "5261883"   "5281108"   "5314375"   "5322504"   "5339715"   "5344292"   "5364234"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"5368452"   "5370609"   "5378126"   "5415528"   "5429485"   "5449369"   "5464392"   "5476368"   "5505729"   "5540568"   "5542918"   "5554013"   "5562692"   "5586868"   "5591184"   "5620414"   "5647852"   "5667102"   "5674226"   "5713878"   "5871462").PN. OR ("6216573").URPN.				
S474	3	(("6216573") or ("5370609") or ("5931647")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S473	182	S467 or S468 or S469	USPAT	OR	OFF	2011/07/25 16:54
S472	127	S470 or S471	USPAT	OR	OFF	2011/07/25 16:54
S471	116	("2564809"   "2646042"   "3429313"   "3513846"   "3517665"   "3572319"   "3693613").PN. OR ("3812855").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S470	17	("3496874").URPN.	USPAT	OR	OFF	2011/07/25 16:54
S469	81	("1889425"   "3590813"   "3811795"   "3930505"   "3993054"   "4024966"   "4186733"   "4368734"   "4441488"   "4690672"   "4694828"   "4935006"   "4944726"   "5024615"   "5037431"   "5135482"   "5261883"   "5361583"   "5370609").PN. OR ("5591184").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S468	100	("1889425"   "3353537"   "3452745"   "3515130"   "3542017"   "3561433"   "3590813"   "3605745"   "3768472"   "3792701"   "3811795"   "3906954"   "3930505"   "3993054"   "3994297"   "4018623"   "4024866"   "4186733"   "4278078"   "4282867"   "4349130"   "4365752"   "4368734"   "4412823"   "4441488"   "4515532"   "4534340"   "4560373"   "4561856"   "4570632"   "4583531"   "4589412"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54

		"4655197"   "4690672"   "4694828"   "4705500"   "4764165"   "4776840"   "4790824"   "4817599"   "4857047"   "4861340"   "4878900"   "4898574"   "4908015"   "4913698"   "4915691"   "4935006"   "4944726"   "4950238"   "5013300"   "5019037"   "5024615"   "5033961"   "5037431"   "5037432"   "5046486"   "5047008"   "5049124"   "5064413"   "5135482"   "5135484"   "5176645"   "5218956"   "5261883"   "5322504"   "5361583"   "5364405"   "5370609"   "5413556"). PN. OR ("5735815").URPN.				
S467	63	("3818913"   "3930505"   "4111490"   "4465438"   "4479760"   "4479761"   "4479762"   "4560373"   "4662829"   "4690672"   "4741678"   "4761039"   "4776769"   "4795217"   "4798339"   "4811902"   "4827679"   "4898574"   "4913698"   "4937985"   "4950238"   "5018670"   "5037431"   "5052624"   "5074862"   "5092744"   "5125582"   "5133687"   "5135482"   "5162016"   "5186615"   "5201643"   "5205779"   "5230443"   "5309899"   "5314375"   "5322504"   "5364234"   "5368452"   "5370609"). PN. OR ("5871462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S466	283	S461 or S459 or S464 or S465	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S465	93	("1902418"   "2147652"   "2804075"   "3429313"). PN. OR ("4690672").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S464	121	("3589363"   "3812855"   "3818913").PN. OR ("3930505").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
S463	2	((("3930505") or ("4690672")).PN.	USPAT; USOCR	OR	OFF	2011/07/25 16:54

S462	113	("0247360"   "0695589"   "0789430"   "1032187"   "1460628"   "1536415"   "1815907"   "2022443"   "2393442"   "2501707"   "2645449"   "2653580"   "2709118"   "2750746"   "2766701"   "2782801"   "2856961"   "3019739"   "3095785"   "3177780"   "3216332"   "3268201"   "3275331"   "3300703"   "3414693"   "3463193"   "3509890"   "3510177"   "3515169"   "3552441"   "3648568"   "3742822"   "3802805"   "3847453"   "4042248"   "4055107"   "4085941"   "4089349"   "4095566"   "4128227"   "4159024"   "4197786"   "4222575"   "4241644"   "4280741"   "4384511"   "4392034"   "4433795"   "4437821"   "4448425"   "4449717"   "4468170"   "4549718"   "4627795"   "4637295"   "4674965"   "4721133"   "4723755"   "4751867"   "4759553"   "4804913"   "4900883"   "4974755"   "4975679"   "5104374"   "5140113"   "5144882"   "5199718"   "5267721"   "5380017"   "5429602"   "5440968"   "5467689").PN. OR ("5931647").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 16:54
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S457	1	"10561725"	US-PGPUB; USPAT	OR	OFF	2011/07/25 16:54
S456	450	606/166.ccls.	USPAT	OR	OFF	2011/07/25 16:54

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